

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently Amended) A radio data transmission method comprising:

receiving information from each of a plurality of logical channels, each received information including information about an amount of re-transmission data that exists in a buffer that corresponds to the specific logic channel; and

selecting data to transmit from one of the plurality of logical channels based at least on the received information about the amount of the re-transmission data that exists in the corresponding buffer for each specific logical channel and based on whether re-transmission data exist in the corresponding buffer of a logical channel rather than by a priority of the logical channel, wherein the re-transmission data includes data that was previously partially sent to a transport channel.

2. (Canceled)

3. (Previously Presented) The method of claim 1, wherein the information about the amount of the re-transmission data comprises one of a True indication representing that the re-transmission data exists in the buffer corresponding to the specific logic channel and a False

indication representing that the re-transmission data does not exist in the buffer corresponding to the specific logic channel.

4. (Original) The method of claim 1, further comprising sending the information from each of the logical channels to a transport channel.

5. (Original) The method of claim 4, wherein sending the information comprises sending a MAC_STATUS_RESP Primitive.

6. (Previously Presented) The method of claim 5, wherein the MAC_STATUS_RESP Primitive includes information of the amount of the re-transmission data.

7. (Previously Presented) The method of claim 5, wherein said MAC_STATUS_RESP Primitive includes the information representing the amount of the re-transmission data in the corresponding buffer.

Reply to Office Action dated January 30, 2009

8. (Currently Amended) A radio data transmission method comprising:

receiving information corresponding to a data amount of a buffer and a characteristic of data to be transmitted from each of a plurality of logical channels; and

selecting data to transmit from one of the plurality of logic channels based at least on the data characteristic of each of the plurality of logical channels, wherein selecting the data comprises:

determining which ones of the plurality of logic channels include re-transmission data in a buffer corresponding to the specific logic channel, wherein the re-transmission data includes data previously sent from the corresponding logic channel with a data loss; and

selecting one of the logical channels based on an amount of the re-transmission data and based on whether re-transmission data exist in the corresponding buffer of a logical channel rather than by a priority of each of the plurality of logical channels that are determined to include the re-transmission data in their corresponding buffer.

9. (Previously Presented) The method of claim 8, wherein determining which ones of the plurality of logic channels includes re-transmission data in the corresponding buffer is based on one of a True indication and a False indication.

10. (Canceled)

11. (Currently Amended) A data transmission method comprising:

receiving information from each of a plurality of logical channels;

selecting data of a specific one of the logical channels based on priorities of the logical channels and based on an amount of re-transmission data that exists for each logical channel in a corresponding buffer, and based on whether re-transmission data exist in the corresponding buffer of a logical channel rather than by a priority of the logical channel, the selected data based on the received information, wherein the re-transmission data includes data that was previously partially sent from one of the logic channels; and

transmitting the selected data from the transport channel.

12. (Canceled)

13. (Previously Presented) The method of claim 11, wherein sending the information comprises sending a MAC_STATUS_RESP Primitive.

14. (Previously Presented) The method of claim 13, wherein the MAC_STATUS_RESP Primitive includes information regarding the existence of re-transmission data in a buffer corresponding to the logic channel.

Reply to Office Action dated January 30, 2009

15. (Previously Presented) The method of claim 13, wherein the MAC_STATUS_RESP Primitive includes information representing the amount of the re-transmission data in a buffer corresponding to the logic channel.

16. (Previously Presented) The method of claim 11, further comprising prioritizing a first logical channel having re-transmission data in a corresponding buffer with a higher priority than a second logical channel without re-transmission data in a corresponding buffer, and transmitting data from the first logical channel prior to transmitting data from the second logical channel.

17. (Previously Presented) The method of claim 11, wherein the selecting of data of the specific logical channel is performed based on priorities of corresponding logical channels when a plurality of logical channels include re-transmission data in corresponding buffers.

18. (Previously Presented) The method of claim 11, wherein the selection of the specific logical channel is performed based on priorities of each logical channel when logical channels do not include re-transmission data in corresponding buffers.

19. (Currently Amended) A method comprising:

receiving information regarding data characteristics of each of a plurality of logical channels, the received information including re-transmission information; and

selecting one of the logical channels based at least on the received re-transmission information regarding an amount of re-transmission data that exists for each specific logical channel in a corresponding buffer, and based on whether re-transmission data exist in the corresponding buffer of a logical channel rather than by a priority of the logical channel.

20. (Canceled)

21. (Previously Presented) The method of claim 19, further comprising sending the information from each of the logical channels to a transport channel.

22. (Previously Presented) The method of claim 19, wherein selecting one of the logical channels comprises:

determining which ones of the plurality of logic channels include re-transmission data in a corresponding buffer of the logic channel; and

selecting one of the logical channels based on priorities of the determined ones of the logical channels that include the re-transmission data in the corresponding buffer of the specific logic channel.

23. (Currently Amended) A device to transmit data comprising:

a plurality of logical channels each to transmit information regarding a data characteristic of the respective logical channel, each logic channel including a corresponding buffer; and

a transport channel to select one of the logical channels based at least on the transmitted information regarding the data characteristic of each respective logical channel, wherein the transport channel determines whether the logical channels include re-transmission data in the corresponding buffers and the transport channel selects one of the logical channels based on priorities of ~~the plurality of the logical channels~~ that include the re-transmission data among the plurality of logical channels and an amount of the re-transmission data that exists in the corresponding buffers for the specific logical channels.

24. (Previously Presented) The device of claim 23, wherein the data characteristic represents whether the re-transmission data exists for the selected logical channel in its corresponding buffer.

25-27. (Canceled)